

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030323\
 Data File : VY012793.D
 Acq On : 03 Mar 2023 14:11
 Operator : KP/MD
 Sample : 01760-01RE
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200058RE

Quant Time: Mar 04 01:23:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	3780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6322	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1845	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	3884	103.489	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 206.980%#	
35) Dibromofluoromethane	7.716	113	3287	86.153	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 172.300%#	
50) Toluene-d8	10.179	98	7179	51.470	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.940%	
62) 4-Bromofluorobenzene	12.483	95	1948	41.378	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.760%	

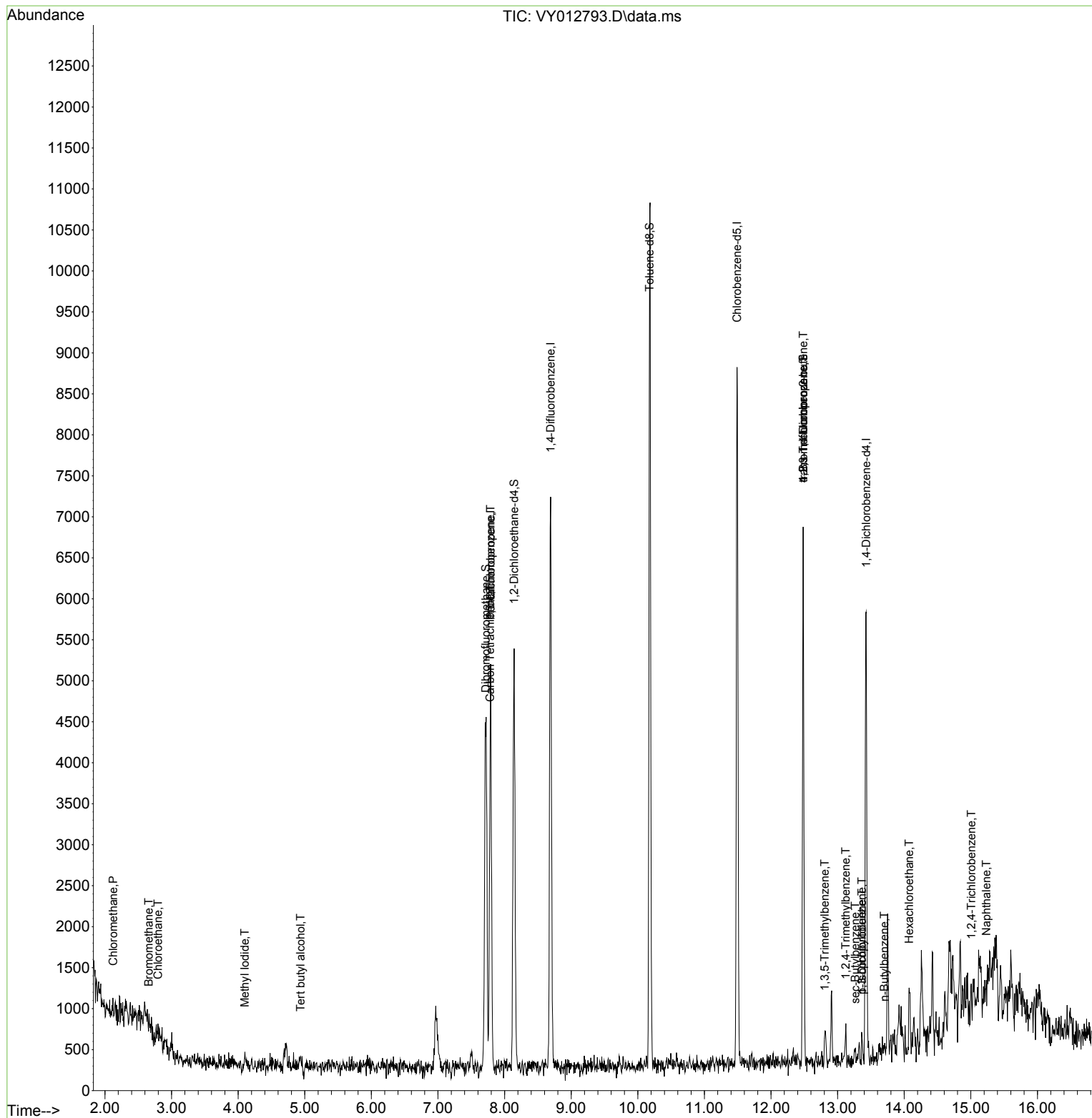
Target Compounds						Qvalue
3) Chloromethane	2.125	50	138	3.098	ug/l #	42
5) Bromomethane	2.656	94	48	1.934	ug/l #	1
6) Chloroethane	2.796	64	76	3.107	ug/l #	43
10) Methyl Iodide	4.101	142	56	1.053	ug/l #	40
11) Tert butyl alcohol	4.936	59	284	49.646	ug/l #	74
20) Methylene Chloride	4.722	84	119	Below Cal	#	58
36) 1,1-Dichloropropene	7.789	75	315	4.927	ug/l #	41
38) Carbon Tetrachloride	7.783	117	296	4.483	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	1044	47.385	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	195	1.807	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.483	75	1044	98.183	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.123	105	271	2.568	ug/l	97
85) sec-Butylbenzene	13.264	105	152	1.070	ug/l #	56
86) p-Isopropyltoluene	13.367	119	158	1.361	ug/l #	50
87) 1,3-Dichlorobenzene	13.367	146	65	1.061	ug/l #	25
89) n-Butylbenzene	13.703	91	163	1.466	ug/l #	44
90) Hexachloroethane	14.074	117	178	7.359	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.007	180	76	2.229	ug/l #	77
95) Naphthalene	15.233	128	229	3.351	ug/l #	69

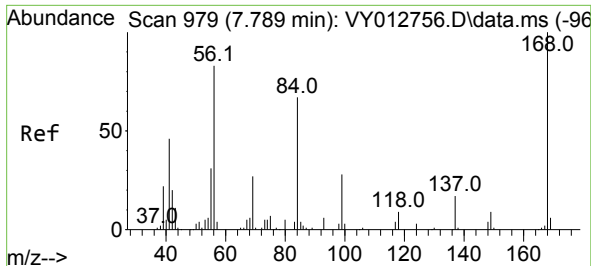
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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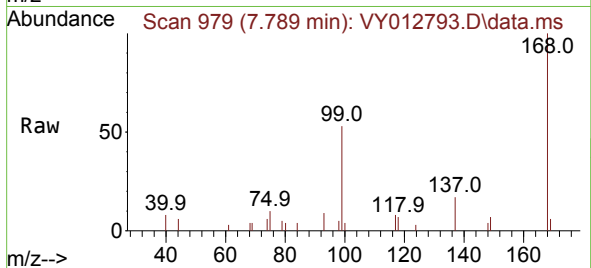
Quant Time: Mar 04 01:23:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration



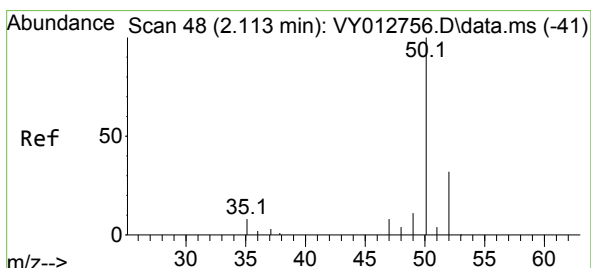
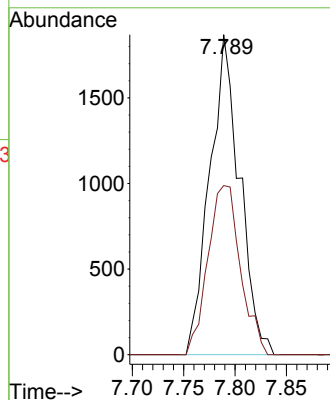
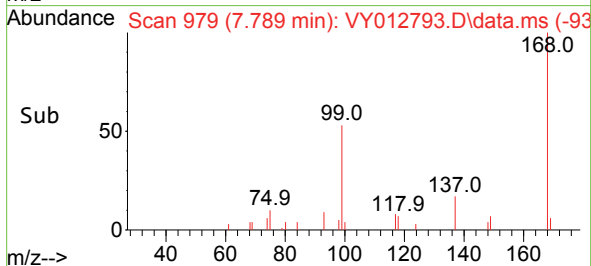


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Instrument :
MSVOA_Y
ClientSampleId :
RBR200058RE

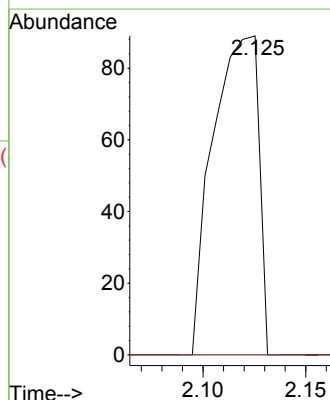
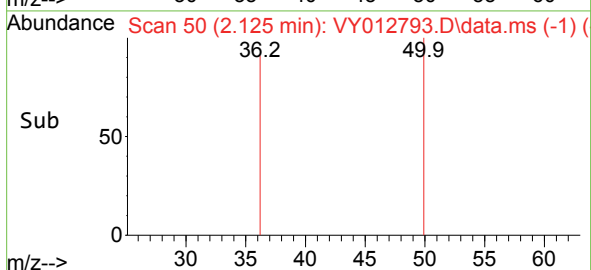
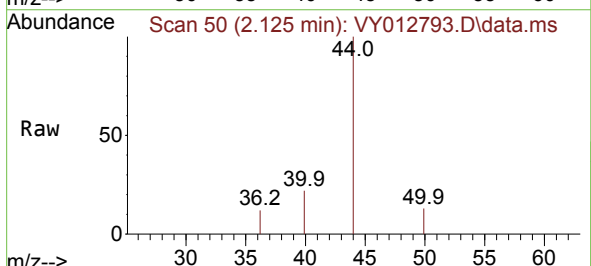


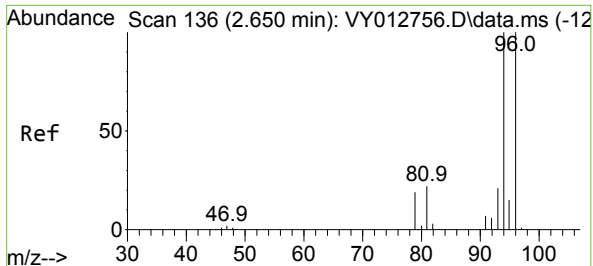
Tgt Ion:168 Resp: 3780
Ion Ratio Lower Upper
168 100
99 52.9 41.7 62.5



#3
Chloromethane
Concen: 3.098 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Tgt Ion: 50 Resp: 138
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#





#5

Bromomethane

Concen: 1.934 ug/l

RT: 2.656 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012793.D

Acq: 03 Mar 2023 14:11

Instrument :

MSVOA_Y

ClientSampleId :

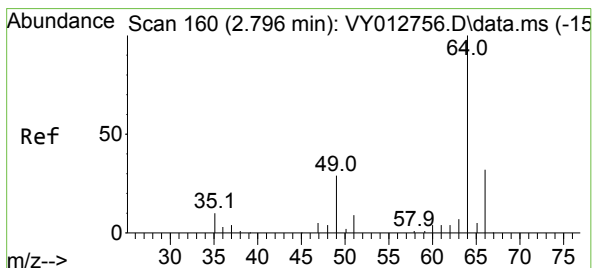
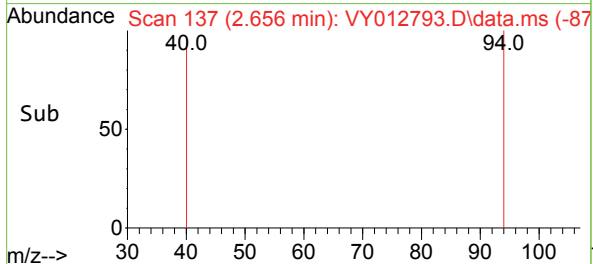
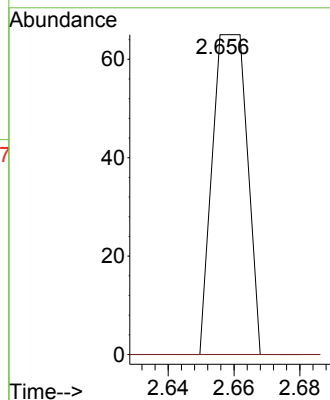
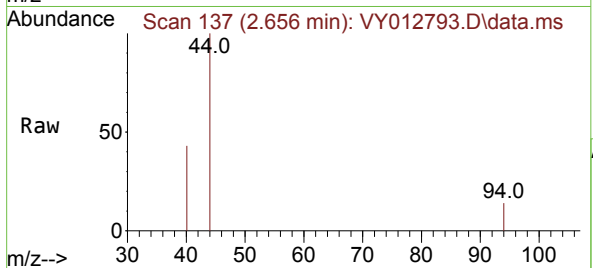
RBR200058RE

Tgt Ion: 94 Resp: 48

Ion Ratio Lower Upper

94 100

96 0.0 80.3 120.5#



#6

Chloroethane

Concen: 3.107 ug/l

RT: 2.796 min Scan# 160

Delta R.T. -0.000 min

Lab File: VY012793.D

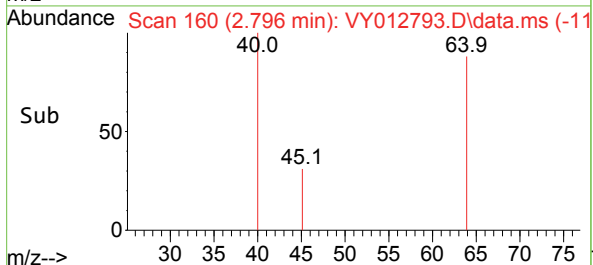
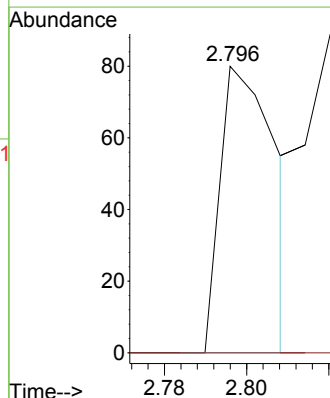
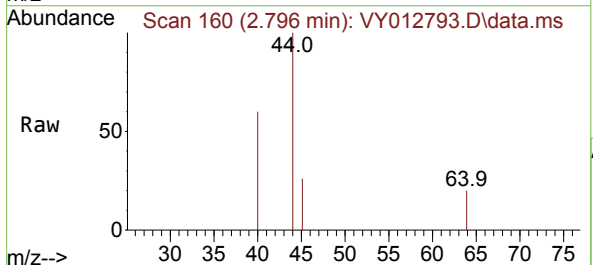
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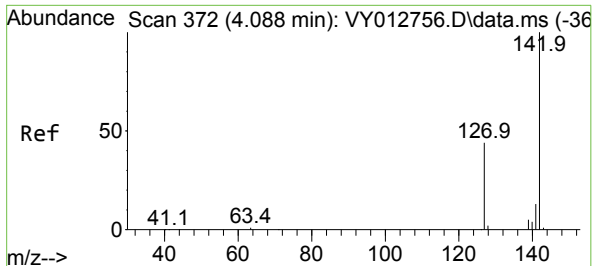
Tgt Ion: 64 Resp: 76

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#





#10

Methyl Iodide

Concen: 1.053 ug/l

RT: 4.101 min Scan# 31

Delta R.T. 0.013 min

Lab File: VY012793.D

Acq: 03 Mar 2023 14:11

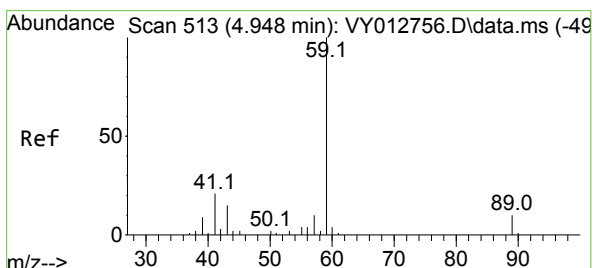
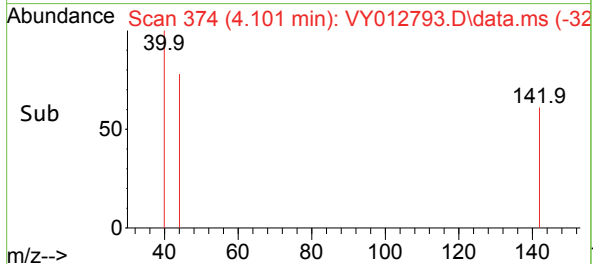
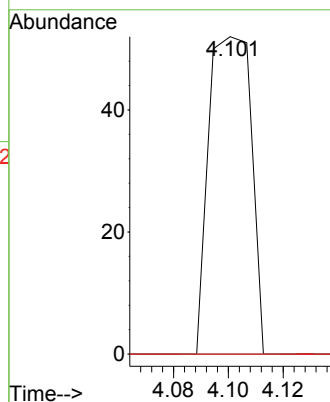
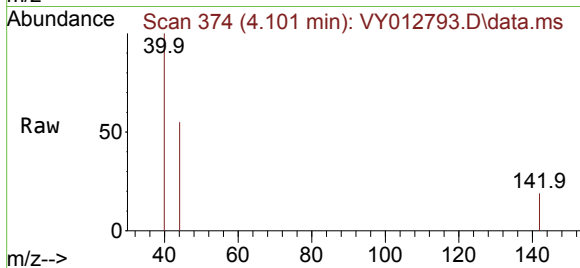
Instrument :

MSVOA_Y

ClientSampleId :

RBR200058RE

Tgt Ion:	142	Resp:	56
Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.4	53.2#
141	0.0	11.3	16.9#



#11

Tert butyl alcohol

Concen: 49.646 ug/l

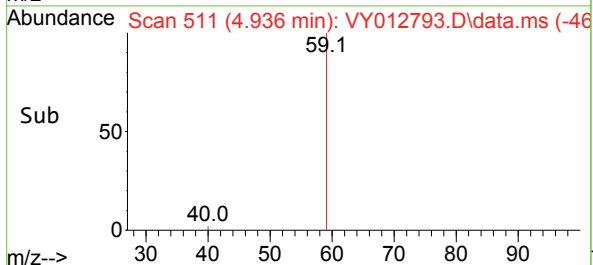
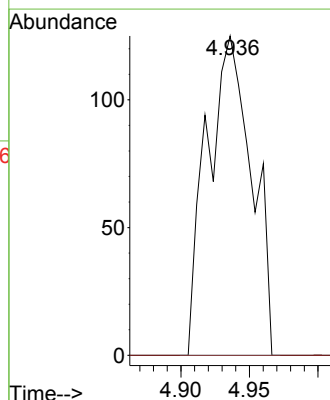
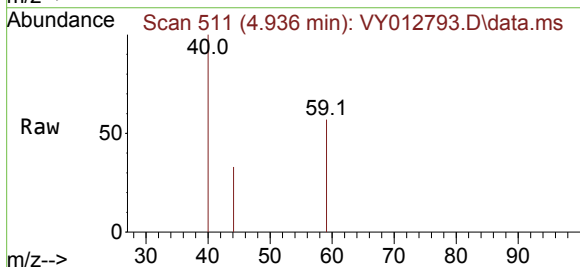
RT: 4.936 min Scan# 511

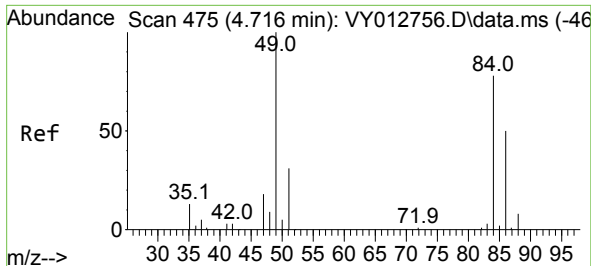
Delta R.T. -0.012 min

Lab File: VY012793.D

Acq: 03 Mar 2023 14:11

Tgt Ion:	59	Resp:	284
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

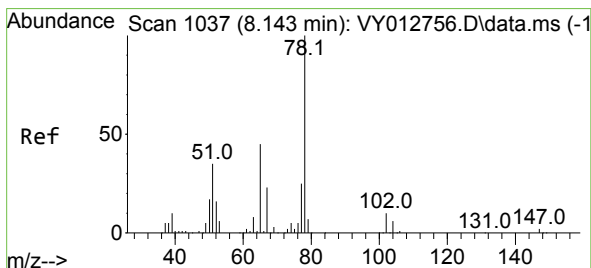
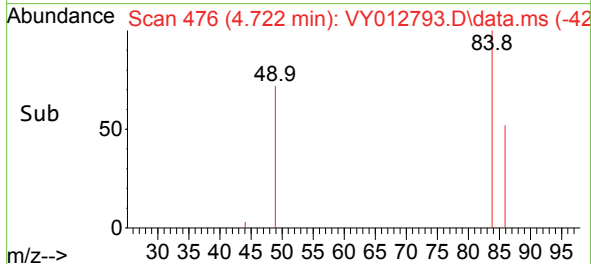
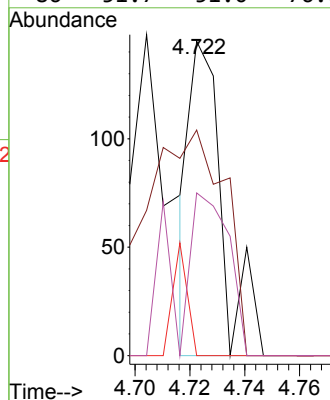
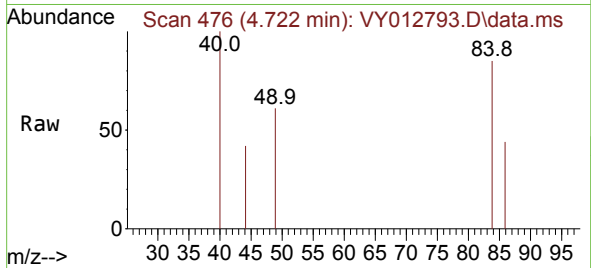




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

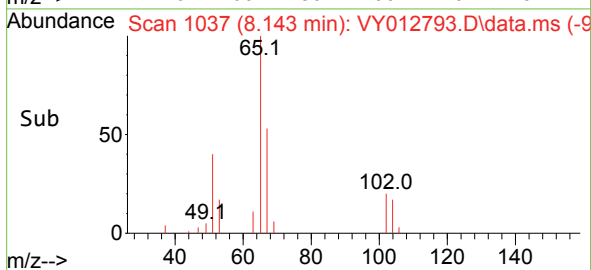
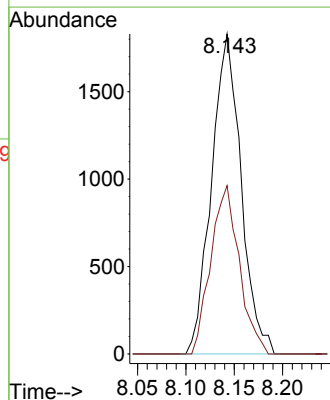
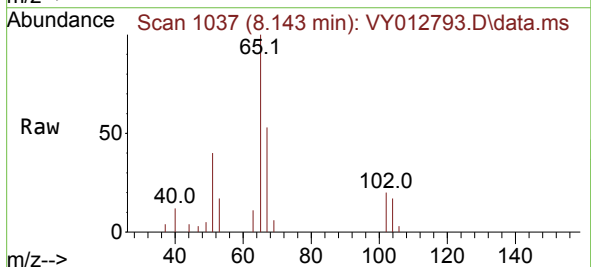
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058RE

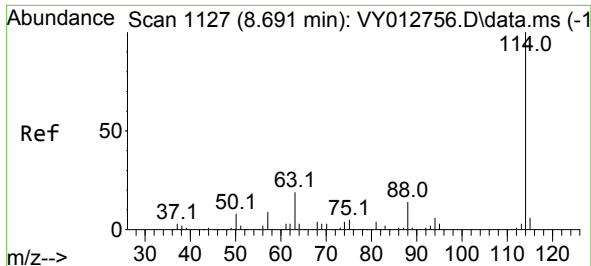
Tgt Ion: 84 Resp: 119
Ion Ratio Lower Upper
84 100
49 71.7 102.6 154.0#
51 0.0 31.9 47.9#
86 51.7 51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 103.489 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Tgt Ion: 65 Resp: 3884
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.0

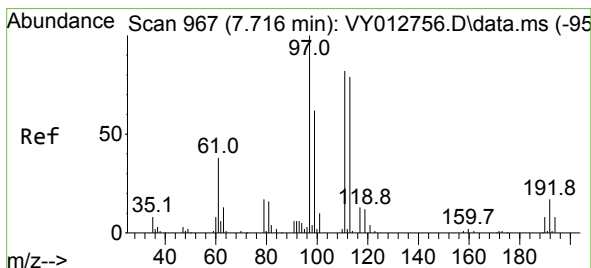
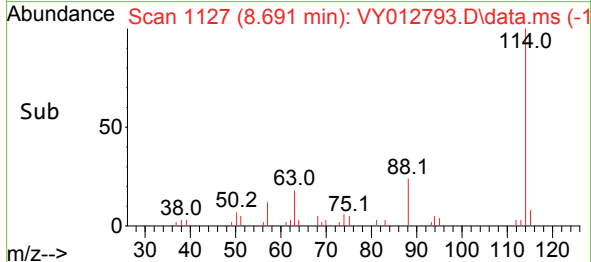
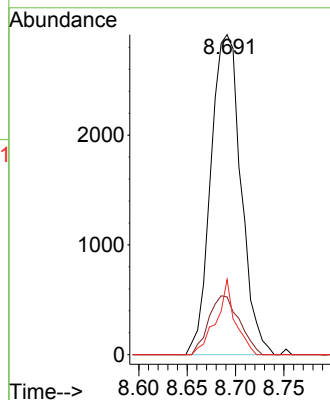
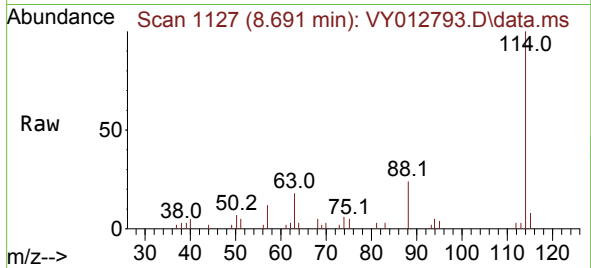




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

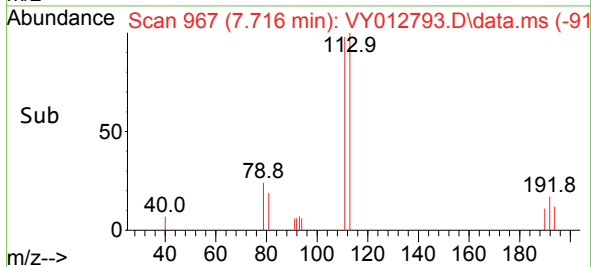
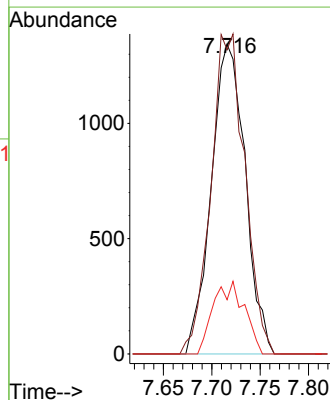
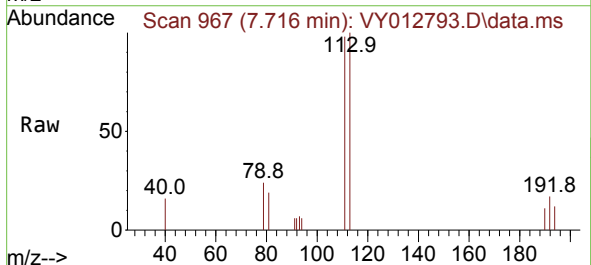
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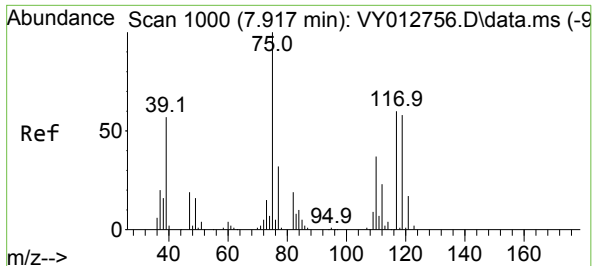
Tgt Ion:114 Resp: 6322
Ion Ratio Lower Upper
114 100
63 18.0 0.0 37.4
88 23.5 0.0 28.6



#35
Dibromofluoromethane
Concen: 86.153 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Tgt Ion:113 Resp: 3287
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 21.4 16.8 25.2

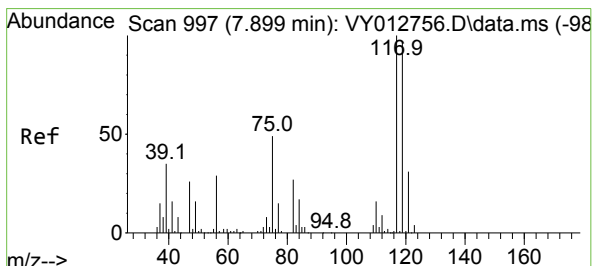
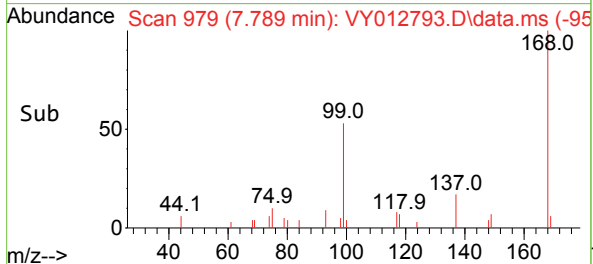
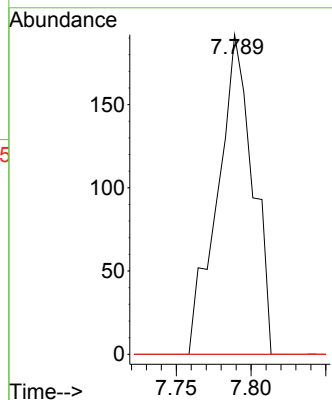
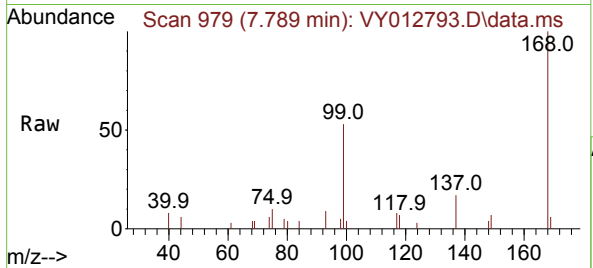




#36
 1,1-Dichloropropene
 Concen: 4.927 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY012793.D
 Acq: 03 Mar 2023 14:11

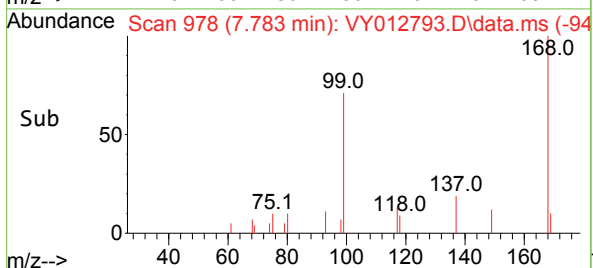
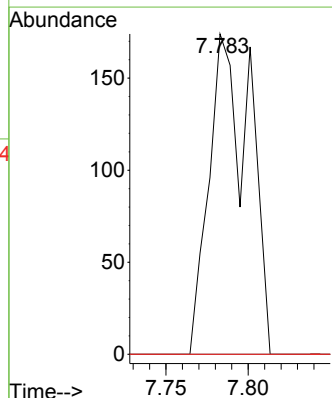
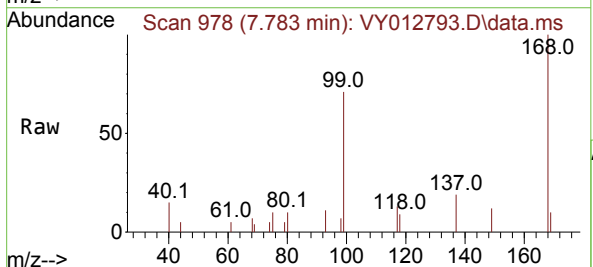
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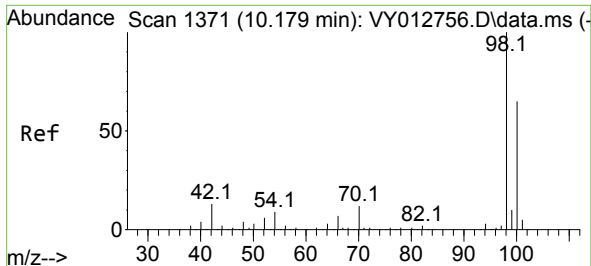
Tgt Ion: 75 Resp: 315
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 4.483 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.116 min
 Lab File: VY012793.D
 Acq: 03 Mar 2023 14:11

Tgt Ion: 117 Resp: 296
 Ion Ratio Lower Upper
 117 100
 119 0.0 77.2 115.8#
 121 0.0 24.7 37.1#

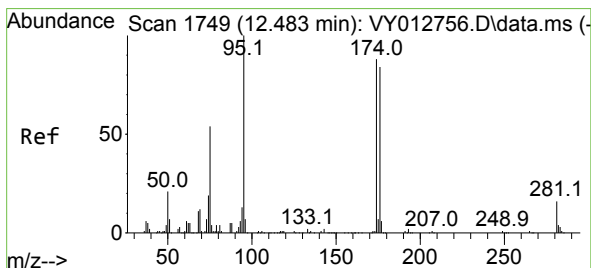
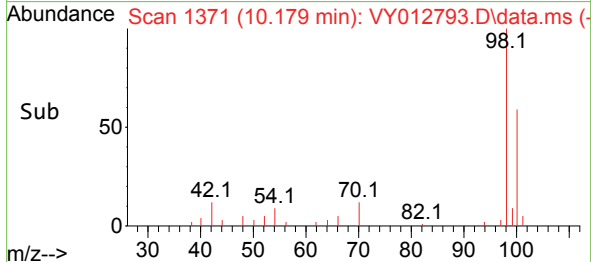
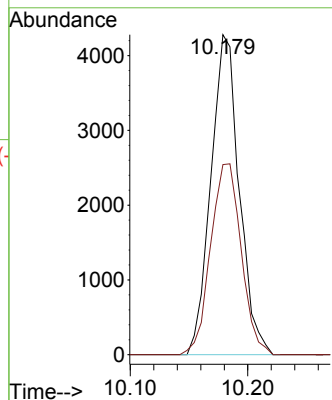
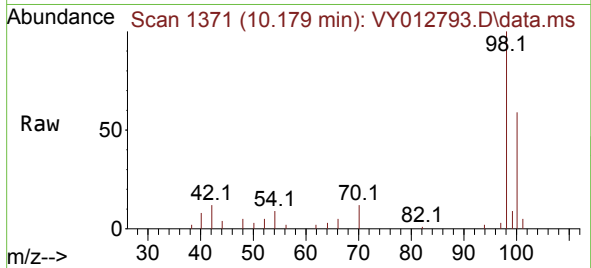




#50
Toluene-d8
Concen: 51.470 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

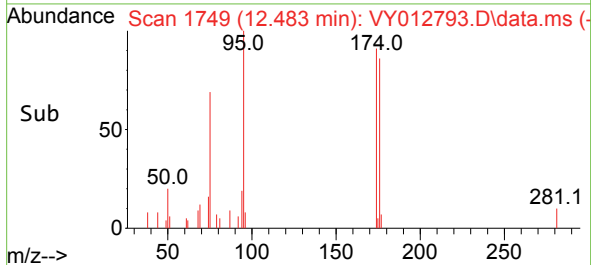
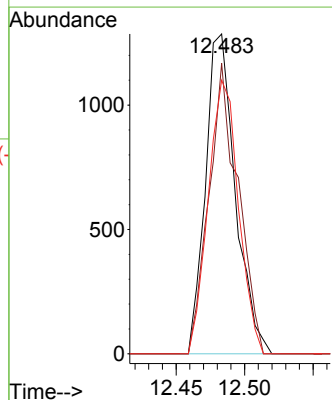
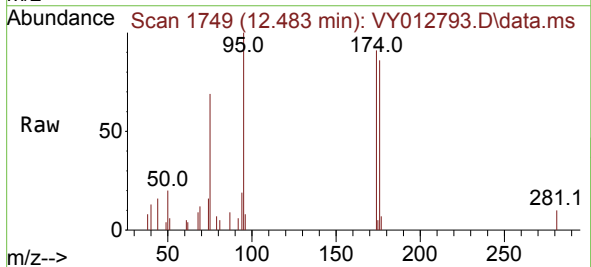
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058RE

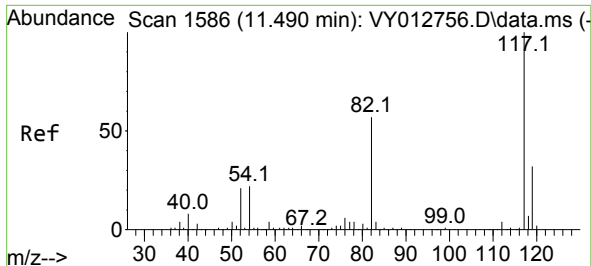
Tgt Ion: 98 Resp: 7179
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 41.378 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Tgt Ion: 95 Resp: 1948
Ion Ratio Lower Upper
95 100
174 88.4 0.0 176.6
176 86.6 0.0 170.2

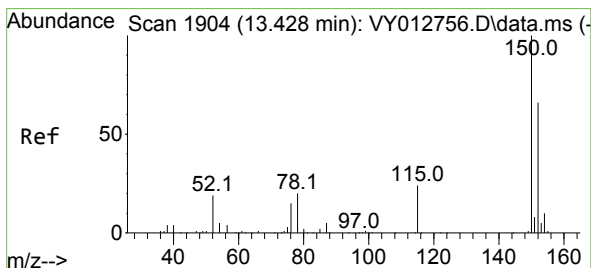
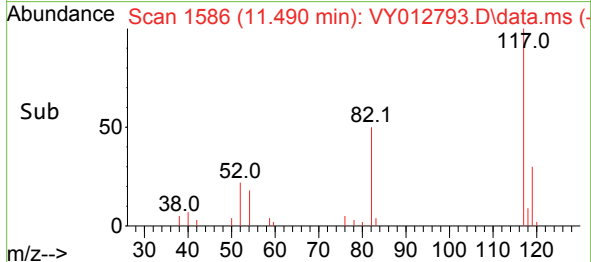
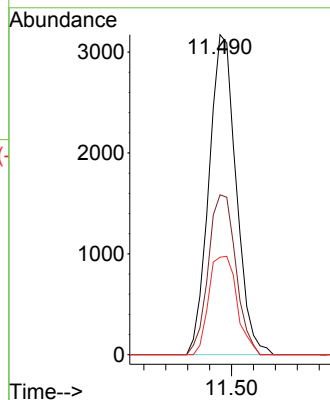
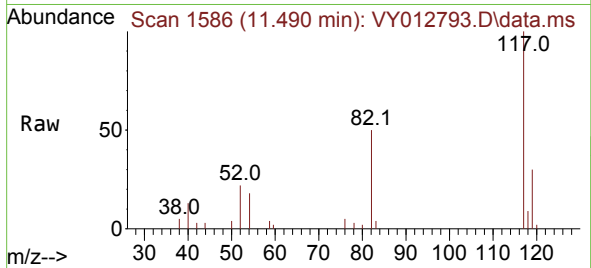




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

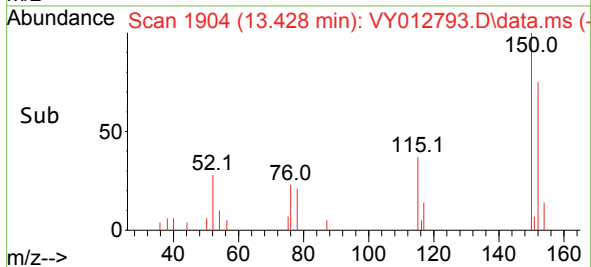
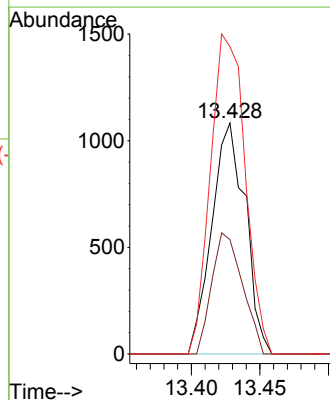
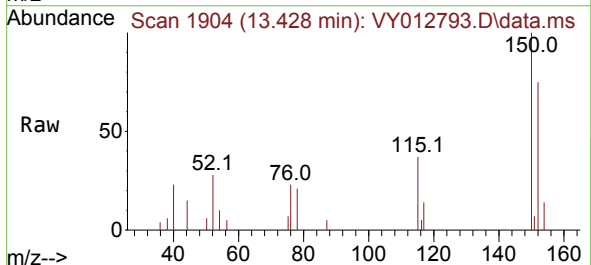
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058RE

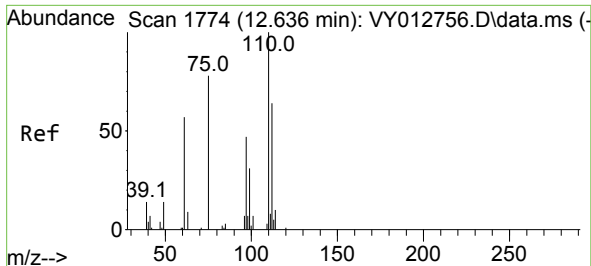
Tgt Ion:117 Resp: 5455
Ion Ratio Lower Upper
117 100
82 50.0 45.4 68.0
119 30.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Tgt Ion:152 Resp: 1845
Ion Ratio Lower Upper
152 100
115 48.1 27.1 81.3
150 143.4 0.0 347.8

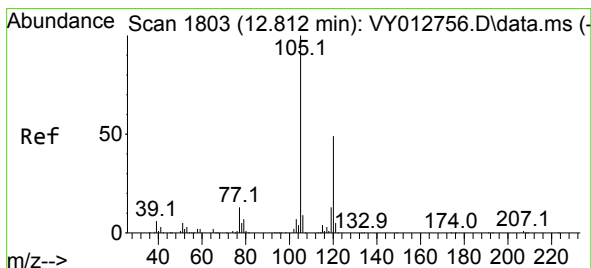
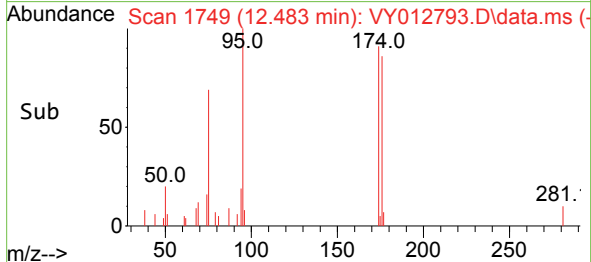
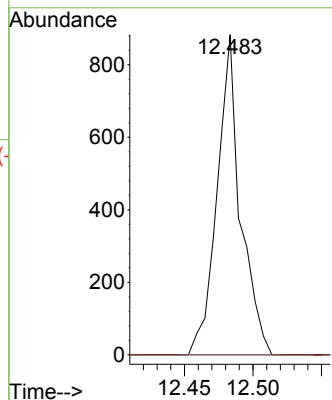
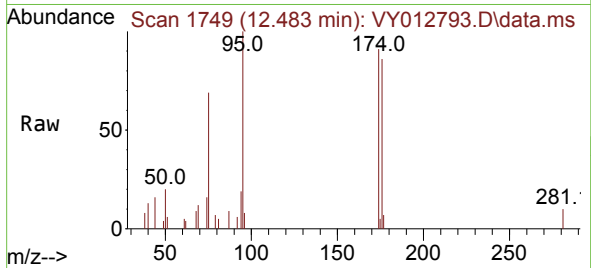




#76
1,2,3-Trichloropropane
Concen: 47.385 ug/l
RT: 12.483 min Scan# 1774
Delta R.T. -0.152 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

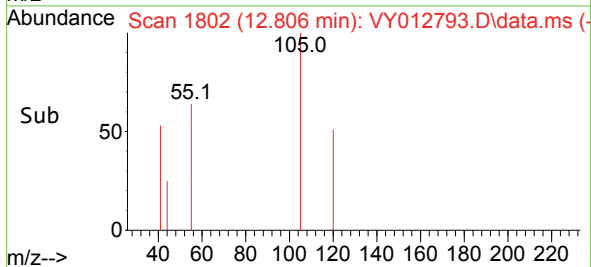
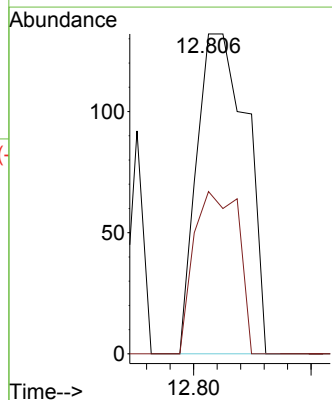
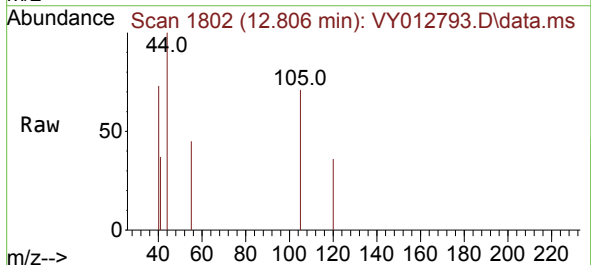
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058RE

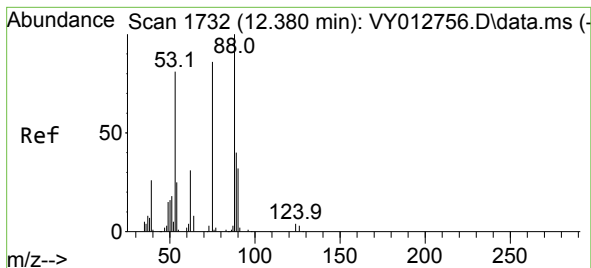
Tgt Ion: 75 Resp: 1044
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 1.807 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Tgt Ion:105 Resp: 195
Ion Ratio Lower Upper
105 100
120 45.1 24.8 74.4

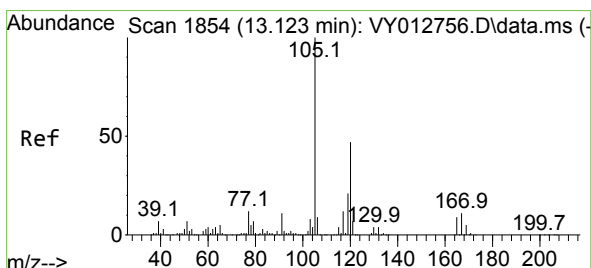
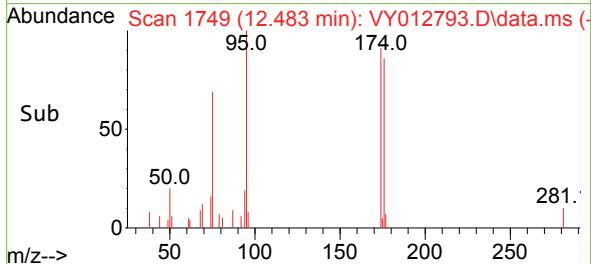
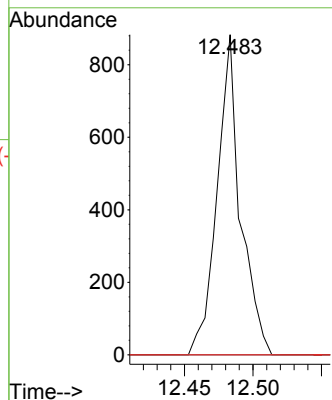
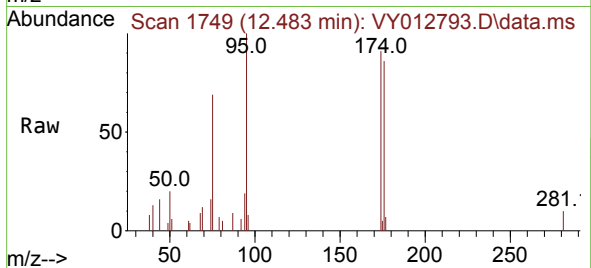




#81
trans-1,4-Dichloro-2-butene
Concen: 98.183 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

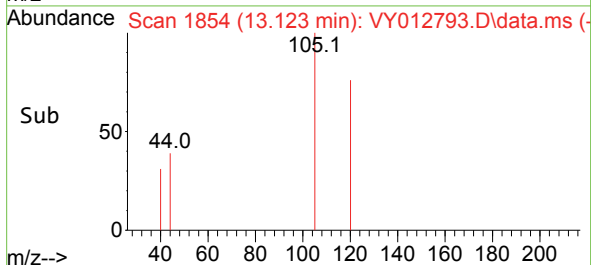
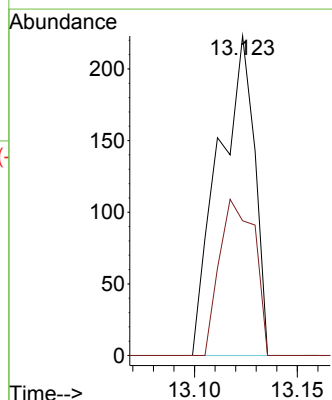
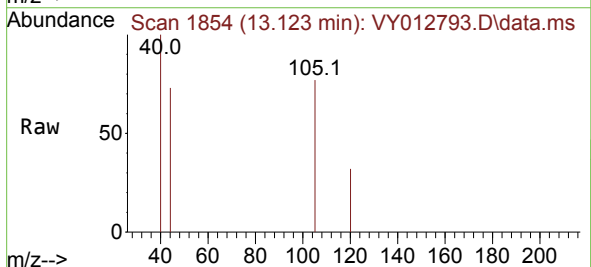
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058RE

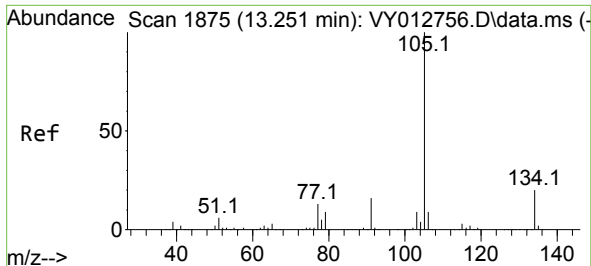
Tgt Ion: 75 Resp: 1044
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.568 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Tgt Ion: 105 Resp: 271
Ion Ratio Lower Upper
105 100
120 48.0 23.0 69.0

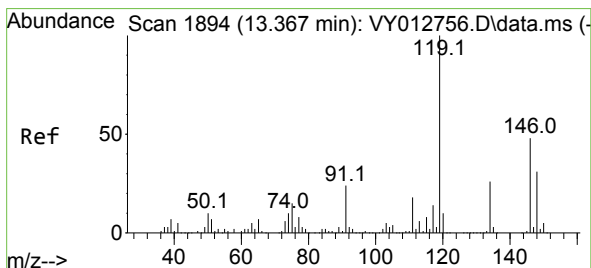
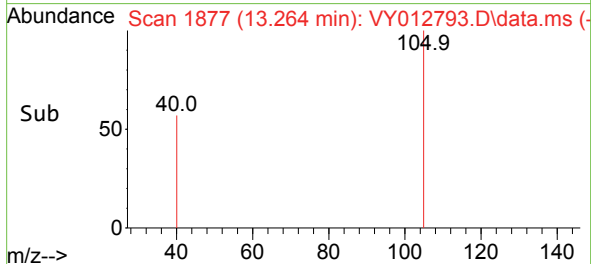
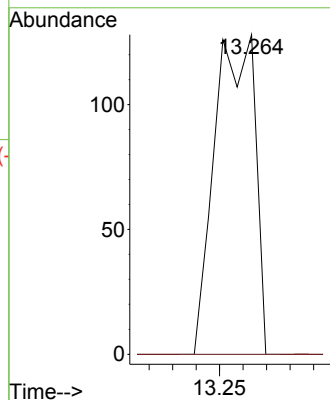
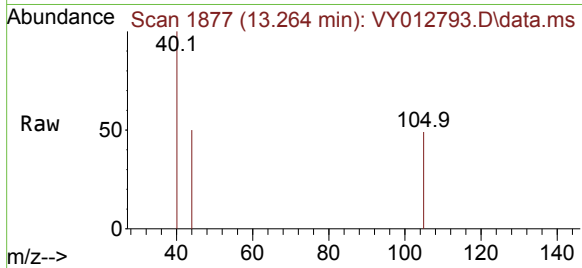




#85
 sec-Butylbenzene
 Concen: 1.070 ug/l
 RT: 13.264 min Scan# 1877
 Delta R.T. 0.012 min
 Lab File: VY012793.D
 Acq: 03 Mar 2023 14:11

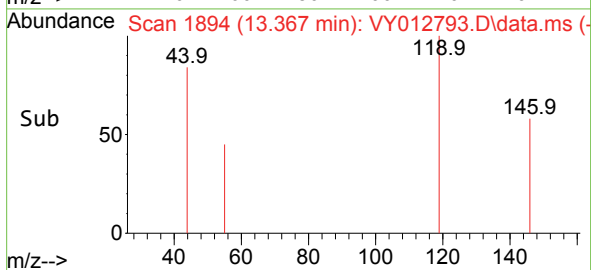
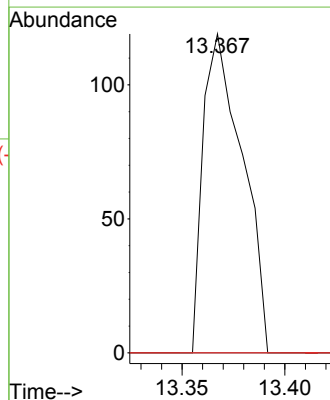
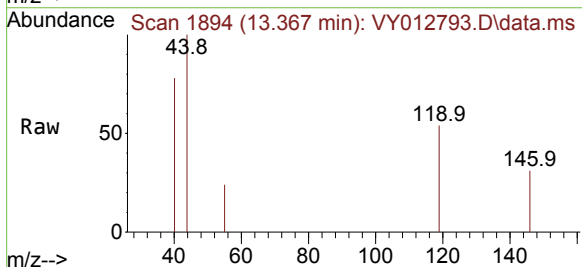
Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR200058RE

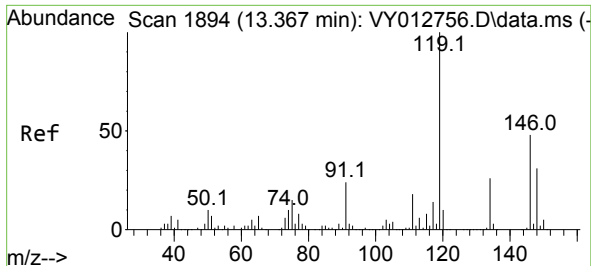
Tgt Ion:105 Resp: 152
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#



#86
 p-Isopropyltoluene
 Concen: 1.361 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.000 min
 Lab File: VY012793.D
 Acq: 03 Mar 2023 14:11

Tgt Ion:119 Resp: 158
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.2 39.6#
 91 0.0 11.8 35.3#

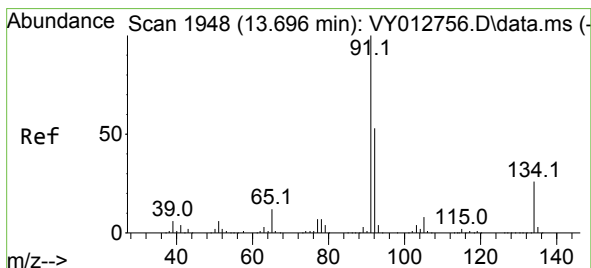
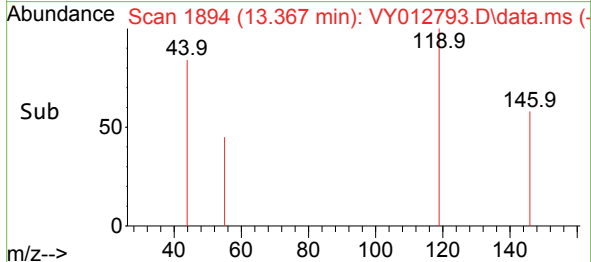
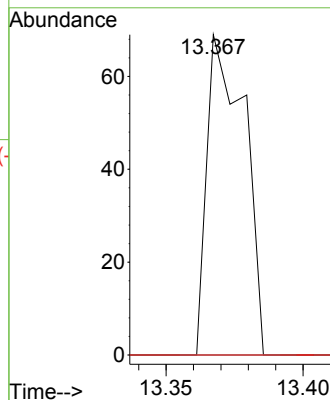
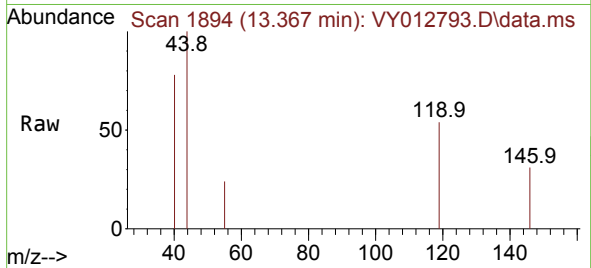




#87
1,3-Dichlorobenzene
Concen: 1.061 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

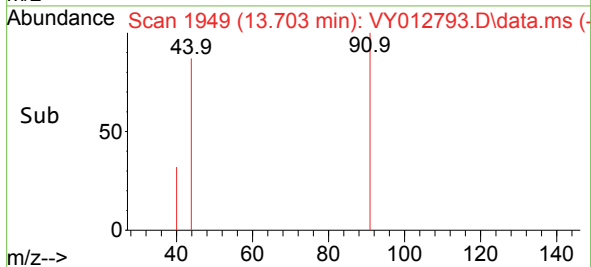
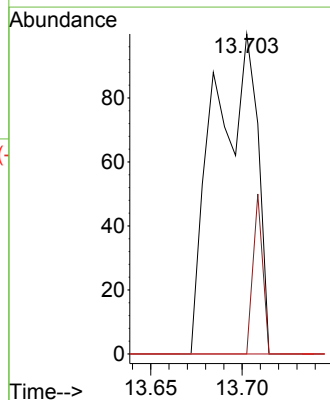
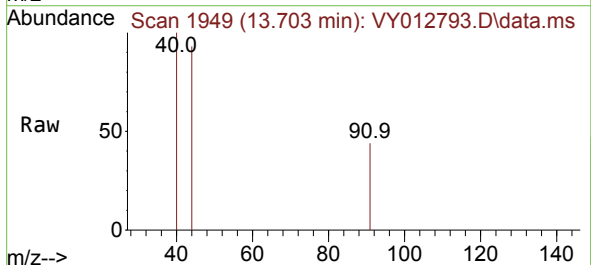
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058RE

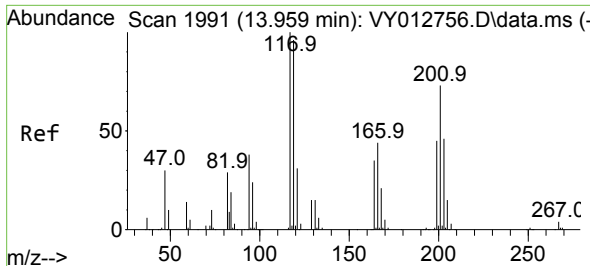
Tgt Ion:146 Resp: 65
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.5#
148 0.0 31.8 95.3#



#89
n-Butylbenzene
Concen: 1.466 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Tgt Ion: 91 Resp: 163
Ion Ratio Lower Upper
91 100
92 11.0 26.4 79.0#
134 0.0 13.0 38.9#

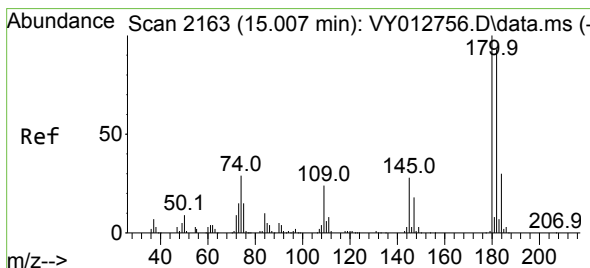
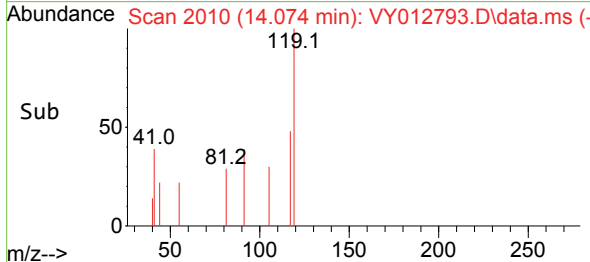
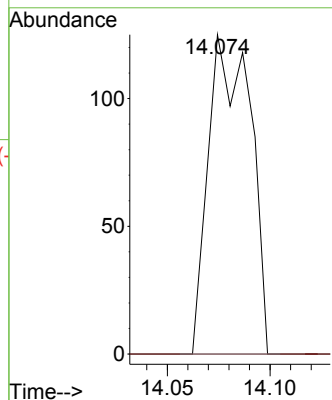
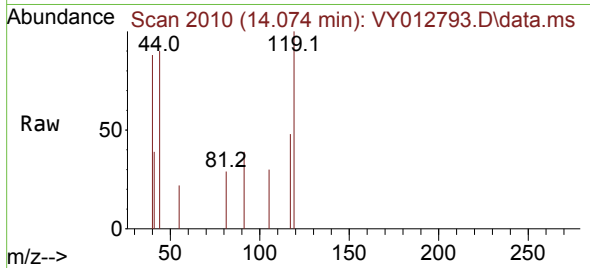




#90
Hexachloroethane
Concen: 7.359 ug/l
RT: 14.074 min Scan# 2010
Delta R.T. 0.116 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

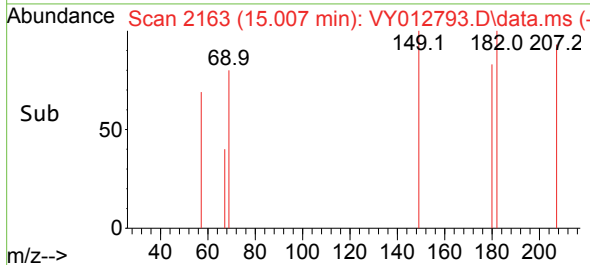
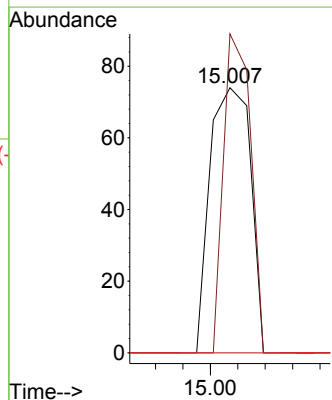
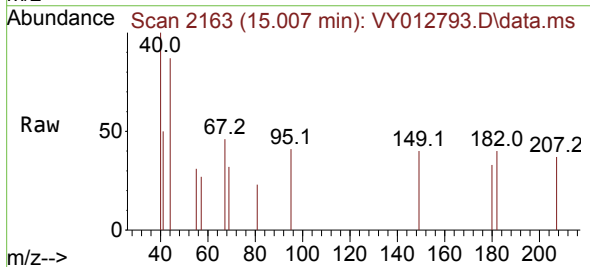
Instrument :
MSVOA_Y
ClientSampleId :
RBR200058RE

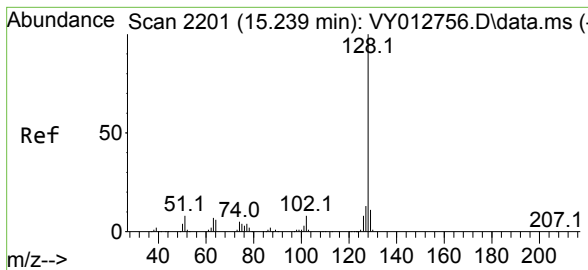
Tgt Ion:117 Resp: 178
Ion Ratio Lower Upper
117 100
201 0.0 39.4 118.1#



#93
1,2,4-Trichlorobenzene
Concen: 2.229 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

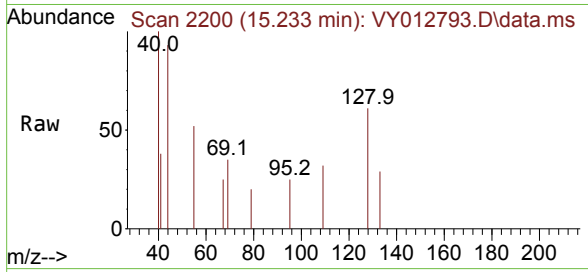
Tgt Ion:180 Resp: 76
Ion Ratio Lower Upper
180 100
182 80.3 46.7 140.1
145 0.0 14.6 43.8#





#95
Naphthalene
Concen: 3.351 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY012793.D
Acq: 03 Mar 2023 14:11

Instrument :
MSVOA_Y
ClientSampleId :
RBR200058RE



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

